

### ABSTRACT

5 An apparatus for temperature compensation of a region of an optical fiber includes a first member having a positive coefficient of thermal expansion, wherein at least a portion of the first member lies in a first plane, and a second member on the first member, wherein the second member has a coefficient of thermal expansion lower than the coefficient of thermal expansion of the first member. A mount for the optical fiber is substantially normal to the first plane and extends a predetermined distance from the first plane.

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